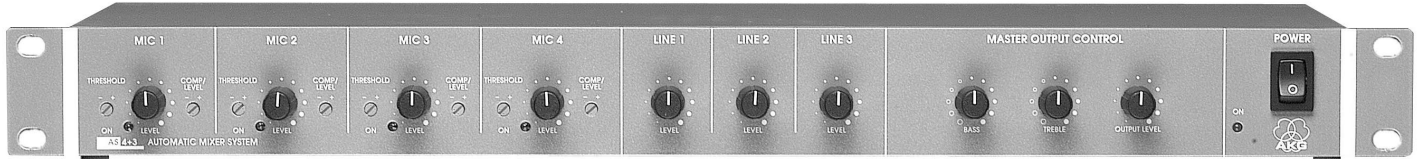




H A Harman International Company

AS 4+3

Automixer



Description

The AS 4+3 is an easy to use and affordable gating automixer that can easily be integrated into any sound reinforcement, teleconferencing or recording application. The AS 4+3 has four balanced mic inputs and three unbalanced line inputs, as well as, one balanced line output and one unbalanced record/line output.

Each of the four mic inputs have integrated and adjustable compressor/levelers making the AS 4+3 an automatic level control system. The compressor/levelers can help maintain consistent audio level despite various signal strengths that may be present at the microphone inputs. NOM attenuation decreases by 3dB every time the number of in-use mics doubles. A switchable ducking function will attenuate all other inputs by 12dB when signal is present at mic input #1. Dipswitches on the rear panel allow for the line inputs to be exempted from the automix and/or ducking functions in the mixer.

The AS 4+3 was designed to operate with various types of microphones. Dip switches on the rear panel allow for 24 volt phantom powering of condenser microphones. The preamp gain range for the mic input signal are switchable on the rear panel while front panel controls provide fine adjustment of input and output signals for an exact match into whatever component follows the AS 4+3.

More than one AS 4+3 may be daisy chained via expansion port connection incorporating the automix functions so that all will work together as one unit.

Features

- **Four automatic microphone inputs, three line inputs**
- **Integrated compressor/leveler for consistent levels**
- **Ducking/priority function**
- **Expansion ports for larger systems**
- **Low and high frequency shelving controls on master line output**
- **Balanced line output and unbalanced record output**

Architects and Engineers Specifications

The mixer shall be an automatic mixer capable of being daisy-chained, with four gated microphone inputs and three line inputs. The microphone inputs shall provide 24-V phantom power and a compressor limiter separately adjustable for each channel. The device shall be fitted with microphone inputs and a line output on 3-pin XLR connectors and line inputs and recording outputs on

RCA jacks. A switchable ducking function shall cause all other channels to be attenuated while there is activity in the MIC 1 channel. The mixer shall be fitted with a two-band equalizer (bass and treble) affecting only the main output signal. The automatic mixer shall be the AKG Acoustics Model AS 4+3.

Specifications

Microphone Inputs

Type:	balanced and RF filtered
Impedance:	approx. 2.4 k Ω at any level
Nominal level:	-50 to -10 dBu adjustable in two sub-ranges
S/N ratio:	75 dB (20 Hz to 22 kHz, rms)
Max. input level:	+5 dBu
Turn-on threshold:	-32 to 0 dB re nominal input level
Hold time:	1/4/8/12 secs. \pm 20%
Gate attenuation:	14 to 26 dB, adjustable
Compression ratio:	linear to 2:1, adjustable
Audio bandwidth:	20 Hz to 35 kHz
NOM attenuation:	1 microphone: 0 dB 2 microphones: -2.1 dB 3 microphones: -4 dB 4 microphones: -5.5 dB 5 microphones: -7.2 dB 6 microphones: -8.6 dB 7 microphones: -9.9 dB 8 microphones: -11 dB
Phantom power:	24 V, switchable on each channel (Ri = 2 x 1.2 k Ω)

Line Inputs

Type:	unbalanced and RF filtered
Impedance:	>35 k Ω
Nominal level:	-10 dBu
S/N ratio:	75 dB (20 Hz to 22 kHz, rms)
Audio bandwidth:	20 Hz to 45 kHz
Max. input level:	+5 dBu
System:	
Max. gain:	55 dB (input to main output)
Ducking attenuation:	9 dB to 20 dB, adjustable
THD:	<0.1%; at any level setting
IM distortion:	<0.1%; at any level setting
Power requirement:	5 W max. at 12 V AC
Weight:	5.5 lbs. (2.5 kg)
Size:	19 x 1.7 x 7 in. (483 x 44 x 180 mm)

Limited Warranty

Valid only in the United States. AKG Acoustics warrants AKG products against defects in material or workmanship for a period of two years from the date of original purchase for use, and agrees to repair or, at our option, replace any defective unit without charge for either parts or labor. Important: This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product, loss of parts or connecting the product to any but the specified receptacles. This warranty is void unless service or repairs are performed by an authorized service center. No responsibility is assumed for any special, incidental

or consequential damages. However, the limitation of any right or remedy shall not be effective where such is prohibited or restricted by law. Simply take or ship your AKG product prepaid to our service department. Be sure to include your sales slip as proof of purchase date. (We will not repair transit damage under the no-charge terms of this warranty.) Note: No other warranty, written or oral is authorized by AKG Acoustics, Inc. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusions and limitation may not apply to you.

Microphones · Headphones · Wireless Microphones · Wireless Headphones · Headsets · Electroacoustical Components



H A Harman International Company

AKG Acoustics GmbH
Lemböckgasse 21-25, P.O.B. 158, A-1230
Vienna/AUSTRIA
Tel: (43 1) 86 654-0*, Fax: (43 1) 86 654-516
Internet: <http://www.ake.com>

AKG Acoustics; A Division of Harman Pro Germany
Bodenseestraße 228, D-81243 München/GERMANY
Tel: (089) 87 16-0, Fax: (089) 87 16-200

Arbiter Pro Audio
Wilberforce Road, London NW9 6AX/ENGLAND
Tel: (0181) 202 1199, Fax: (0181) 202 7076

AKG ACOUSTICS, U.S.
914 Airpark Center Drive
Nashville, TN 37217, U.S.A.
Tel: (615) 620-3800, Fax: (615) 620-3875

Studer Japan Ltd.
2-43-7, Uehara, Shibuya-ku, Tokyo 151-0064/JAPAN
Tel: (813) 3465-2211, Fax: (813) 3465-2214

Erikson Pro Audio
620 McCaffrey, St-Laurent, Quebec, H4T 1N1, CANADA
Tel: (514) 738-3000, Fax: (514) 737-5069
Internet: www.jam-ind.com/eriksonpro